इंटरनेट मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

"जानने का अधिकार, जीने का अधिकार"
Mazdoor Kisan Shakti Sangathan
"The Right to Information, The Right to Live"

"पुराने को छोड नये के तरफ"
Jawaharlal Nehru
"Step Out From the Old to the New"

IS 11547-3-1 (1985): Electronic Weighing-in-motion Systems, Part 3: Methods of Tests, Section 1: Simulated Tests [LITD 8: Electronic Measuring Instruments, Systems and Accessories]

"ज्ञान से एक नये भारत का निर्माण"
Satyanarayan Gangaram Pitroda
"Invent a New India Using Knowledge"

Act Number 22 of 2005
The Indian Parliament
RIGHT TO INFORMATION

Made Available By
Public.Resource.Org

"ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है"
Bhartṛhari—Nītiśatakam
"Knowledge is such a treasure which cannot be stolen"

BLANK PAGE

BRUTUM FULMEN

IGNORANTIA JURIS NON EXCUSAT

PROTECTED BY COPYRIGHT

"पुनर्पुष्ट १९९५"
"RE-AFFIRMED 1995"

UDC 681·267·7 : 620·162

IS : 11547 (Part 3/Sec 1) - 1985

Indian Standard

(Reaffirmed 2000)

SPECIFICATION FOR ELECTRONIC WEIGHING-IN-MOTION SYSTEMS

PART 3 METHODS OF TESTS

Section 1 Simulated Tests

Electronic Measuring Equipment Sectional Committee, LTDC 21; Panel for Electronic Weighing Instruments and Systems, LTDC 21/P4 [Ref: Doc : LTDC 21 (875)]

1. Scope

1.1 This standard (Part 3/Sec 1) describes simulated tests carried out in the pattern approval laboratory to determine the performance of the various components of instruments.

2. Submission Requirements

2.1 *Sample Instrument for Simulated Tests* — For simulated tests in the laboratory a sample instrument, consisting of the following items, shall be submitted:

a) *Load cells* — At least 4 load cells of the type and capacity fitted to an instrument shall be submitted for testing. If various capacities of load cells are required, samples of each capacity shall be submitted.

b) *Indicator* — The complete indicating unit of the pattern shall be submitted.

c) *Printer* — The printer which totalises the individual measurements and is the prime source of information in an installation shall be submitted. Any additional indicators or printers which repeat the information on the prime indicator will be considered as auxiliary or peripheral equipment.

d) *Track switches* — A samples switch together with a description of the functions performed by the switches in an installation shall be submitted for inspection.

3. Simulated Tests

3.1 *Tests* — The load cells shall be tested in accordance with IS : 9281 (Part 2)-1981 'Specification for electronic weighing systems : Part 2 Methods of measurements'.

3.2 *Construction Requirements* — The instrument shall be examined for compliance with IS : 11547 (Part 2) - 1985 'Specification for electronic weighing-in-motion systems : Part 2 Requirements'.

EXPLANATORY NOTE

The examination of a pattern of a weighing-in-motion weighing instrument by a certifying authority consists of the following three separate tests:

a) Simulation tests carried out in the pattern approval laboratory to determine the performance of the various components of the instrument. The tests are carried out using static test loads;

b) Static tests carried out on an instrument installed on site using verified test masses; and

c) Dynamic tests carried out on the same instrument using a sample test train with test vehicles of known mass.

While preparing this standard, assistance has been derived from Manual No. 8, 'Design manual for weighing-in-motion systems for trade use', issued by the National Standards Commission of Australia'.

Printed at Printrade, New Delhi, India

Adopted 24 December 1985 © November 1986, ISI Gr 1

INDIAN STANDARDS INSTITUTION
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002